

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011863**Date Inspected:** 20-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li yan hua**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

BAY#14

FCAW welding of weld joint 3G-130 located on PCMK SSD10-PP104 of 11DW welder is identified as 201215. ZPMC QC is identified as Mr.Xu tao . The welding variables recorded by QC appeared to Comply with the WPS-B-T-2232-TC-U4b-F.

SAW welding of weld joint 1G-018 located on PCMK SEG3004AL of 12AW welder is identified as 045270. ZPMC QC is identified as Mr. Xu tao The welding variables recorded by QC appeared to Comply with the WPS-B-T-2221-B-L2C-S-2.

SMAW welding of weld joint 4G-011 located on PCMK SEG071A of 11DW welder is identified as 057348. ZPMC QC is identified as Mr. Li ming yang. The welding variables recorded by QC appeared to Comply with the WPS-B-P-2214-B-U2-FCM-1.

Weld joint Fit-up of Deck panel to Deck panel complete joint penetration(CJP) is checked with ZPMC QC Mr.Li ming yang , the weld is identified as SEG3006\*-004. Dimension measured and recorded by QC to comply with WPS-B-T-2231-B-U2-F.

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## WELDING INSPECTION REPORT

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FCAW welding of weld joint 3F-019 located on PCMK DP188-001 of 11EW welder is identified as 045175. ZPMC QC is identified as Mr.Xu tao . The welding variables recorded by QC appeared to Comply with the WPS-B-T-2233.

This QA inspector performed MT of the critical weld repair area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as Segment 8CW. The weld designations reviewed are as follows:

SSD10A-PP68-083  
SSD11-PP69-004  
SSD11-PP69-110  
SEG047D-001  
SSD10-PP68-101  
SEG047F-002,014  
SP447A-063  
SSD10A-PP68-144

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant Conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-15--0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer

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